

Application No.: 10/723,947
Responce to OA of 10/3/2006; RCE; Extension of Time

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Docket No.: 514112000320

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

Claim 1 (Currently amended): An isolated nucleic acid that encodes a barley or wheat ZCCT1 polypeptide comprising a sequence having at least 95% identity to SEQ ID NO: 75.

Claim 2 (Previously presented): The isolated nucleic acid of claim 1 wherein said nucleic acid is operably linked to a promoter.

Claim 3 (Previously presented): The isolated nucleic acid of claim 2 wherein the promoter is an inducible promoter.

Claim 4 (Previously presented): The isolated nucleic acid of claim 2 wherein the promoter is a regulated promoter.

Claim 5 (Previously presented): The isolated nucleic acid of claim 2 wherein the promoter is a constitutive promoter.

Claim 6 (Previously presented): A vector comprising the isolated nucleic acid of claim 1.

Claim 7 (Previously presented): A vector comprising the isolated nucleic acid of claim 2.

Claim 8 (Previously presented): A vector comprising the isolated nucleic acid of claim 3.

Claim 9 (Previously presented): A vector comprising the isolated nucleic acid of claim 4.

Claim 10 (Previously presented): A vector comprising the isolated nucleic acid of claim 5.

Claim 11 (Previously presented): An isolated cell comprising the vector of claim 6.

Claim 12 (Previously presented): An isolated cell comprising the vector of claim 8.

Claim 13 (Previously presented): An isolated cell comprising the vector of claim 9.

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Claim 14 (Previously presented): The cell of claim 11 wherein said cell is a plant cell.

Claim 15 (Previously presented): The cell of claim 12 wherein said cell is a plant cell.

Claim 16 (Previously presented): The cell of claim 13 wherein said cell is a plant cell.

Claim 17 (Previously presented): A transgenic plant comprising the isolated nucleic acid of claim 1.

Claim 18 (Previously presented): The transgenic plant of claim 17 wherein said plant is selected from the group consisting of wheat, barley, rye, oats, and forage grasses.

Claim 19 (Previously presented): Transgenic seed comprising the nucleic acid of claim 1.

Claim 20 (Previously presented): A transgenic plant comprising the isolated nucleic acid of claim 2.

Claim 21 (Previously presented): Transgenic seed comprising the nucleic acid of claim 2 operably linked to the promoter.

Claim 22 (Previously presented): A transgenic plant comprising the isolated nucleic acid of claim 4.

Claim 23 (Previously presented): Transgenic seed comprising the nucleic acid operably linked to the regulated promoter of claim 4.

Claims 24-37 (Canceled)

Claim 38 (New) The isolated nucleic acid of claim 1, wherein said nucleic acid comprises SEQ ID NO: 75.

Claim 39 (New) The isolated nucleic acid of claim 1, wherein said nucleic acid comprises SEQ ID NO: 79.

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